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Sheet 1 of 1

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TO 3700 mail RO Hirst Named Inventor:

Application No.:

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Filing Date:

January 25, 1999

Richard J. Lazzara

Group Art Unit:

3738

Examiner:

Paul Prebilic

Attorney Docket No.:

U.S. PATENT	<b>DOCUMENTS</b>
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Form PTO-1449 (modified) Application No.: 09/237,605

LIST OF ART CITED BY APPLICANT Filing Date: January 25, 1999

First Named Inventor: Richard J. Lazzara

Group Art Unit: 3738

Examiner: Paul Prebilic

Attorney Docket No.: 47168-00035USC1

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_	C63	Standard Recommended Practice	for Descaling and Cleaning	Titanium and Titanium Alloy Surfaces (Ref. D6)			
1	C64	(Ref. D7)		n to continuous loading of rigid endosseous implants"			
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	18	Attorney Docket No.: 47168-00035USC1
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Form PTO-1449 (modified) Application No.: 09/237,605 Filing Date: January 25, 1999 LIST OF ART CITED BY APPLICANT First Named Inventor: Richard J. Lazzara Group Art Unit: 3738 Examiner: Paul Prebilic Attorney Docket No.: 47168-00035USC1 OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.) Examiner Initial Ref. Document Information C93 Schwartz et al., "Effect of Titanium Surface Roughness on Chonrocyte Proliferation, Matrix Production, and Differentiation Depends on the State of Cell Maturation, "Journal of Biomedical Materials Research, Vol. 30, 145-155 (1996), pgs. 145-155. Cochran et al., "Evaluation of an Endosseous Titanium Implant With a Sandblasted and Acid-Etched Surface in the C94 Canine Mandible: Radiographic Results," Clinical Oral Implants Research 1996: 7: 240-252. Kiesweiter et al., "Surface Roughness Modulates the Local Production of Growth Factors and Cytokines by C95 Osteoblast-Like MG-63 Cells," Journal of Biomedical Materials Research, Vol. 32, (1996), pgs. 55-63. C96 Cochran et al., "Bone Response to Unloaded and Loaded Titanium Implants With a Sandblasted and Acid-Etched Surface: A Histometric Study in the Canine Mandible," J Biomed Mater Res, 40 (1998), pgs 1-11. C97 Boyan et al., "Titanium Surface Roughness Alters Responsiveness of MG63 Osteoblast-Like Cells το 1α,25-(OH)<sub>2</sub>D<sub>3</sub>," J Miomed Mater Res, 39 (1998), pgs. 77-85. Buser et al., "Interface Shear Strength of Titanium Implants With a Sandblasted and Acid-Etched Surface: A C98 Biomechanical Study in the Maxilla of Miniature Pigs," J Biomed Mater Res, 45 (1999), pgs. 75-83. C99 Persson LG, Berglundh T, Sennerby L, Lindhe J., "Re-Osseointegration After Treatment of Peri-Implantitis at Different Implant Surfaces. An Experimental Study in the Dog," Clin Oral Impl. Res., 12 (2001), p.gs. 595-603. **EXAMINER** DATE CONSIDERED

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Sheet 1 of 4 Form PTO-1449 (modified) Application No.: 09/237,605 Filing Date: January 25, 1999 LIST OF ART CITED BY APPLICANT First Named Inventor: Richard J. Lazzara Group Art Unit: 3738 Examiner: Paul Prebilic Attorney Docket No.: 47168-00035USC1 **U.S. PATENT DOCUMENTS** Sub-Examiner Filing Date (if Initial Ref. Document Number Date Name Class Class Application) 09/20/71 A69 3,605,123 Hahn 09/27/83 Shimogori et al. A70 4,406,761 204 144.5 A71 05/25/82 Branemark et al. 4,330,891 A72 12/16/86 4,629,464 Takata et al. 623 16 A73 4,654,314 03/31/87 Takagi et al. 501 82 427 10/27/87 Heide et al. A74 4,702,930 11/03/87 Baswell et al. 10 A75 4,704,126 623 A76 5,219,361 06/15/93 von Recum et al. 623 FOREIGN PATENT DOCUMENTS Examiner Sub-Translation Ref. Initial Document Number Date Country Class Class Yes/No B13 926,552 05/22/73 Canada N/A B13 328 067 05/15/75 Austria A 61 C 008/00 No B14 332 486 11/08/71 1/00 Sweden A-61 F No **B15** 27 17 615 A1 10/26/78 Germany A 61 F 1/00 →Abs. B16 77/03/79 8/00 2 421 595 France A 61-C Abs. 2,045,083 A 01/11/84 Great Britain A 61 F 1/00 N/A **B17** 2/04 B18 202 031 A2 11/20/86 Europe A 61 F N/A 2/30 B19 212 929 A2 03/04/87 Europe A 61 F N/A 2/42 455 929 A1 01/02/91 A 61 F **B20** Europe Abs.

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7-15-02

**EXAMINER** 

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Group Art Unit:

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Attorney Docket No.:

102		Attorney Docket No.: 47108-0003303C1				
	8 TRADE	OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)				
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	C64	W. Eugene Roberts, D.C.S., Ph.D., et al., "Osseous adaptation to continuous loading of rigid endosseous implants" (Ref. D7)				
	C65	W. M. Murphy, "Tissue Reaction of Rats and Guinea-Pigs to Co-Cr Implants With Different Surface Finishes" (Ref. D8)				
	C66	Patrick J. Henry, B.D.Sc., M.S.D., F.R.A.C.D.S., "Comparative Surface Analysis of Two Osseointegrated Implant Systems" (Ref. D19)				
	C67	Clinical Implant Materials, G. Heimke et al. "The Influence of Various Titanium Surfaces on the Interface Shear Strength Between Implants and Bone" (Ref. D21)				
	C68	Ann Wennerberg DDS et al., "Design and Surface Characteristics of 13 Commercially Available Oral Implant Systems" (Ref. 24)				
	C69	Phillippe D. Ledermann, Dr. med. dent., "Swiss Dent" (Ref. D25)				
V	C70	Philippe D. Ledermann, Dr. med. dent., "Die Quintessenz" (Ref. 26)				

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Sheet 1 of 1

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## **U.S. PATENT DOCUMENTS**

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub- Class	Filing Date (if Application)		
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	A55	3,605,123	09/20/1971	Hahn	3		•		
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	A61	4,199,864	04/29/1980	Ashman	433	175			
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Examiner Initial	Ref. 9	<sup>9</sup> Document Number	Date	Country	Class	Sub- Class	Translation Yes/No		
PBD	B8	2 289 160	10/30/1974	France	A 61 F	1/00	Abstract		
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0	B10	834,256	05/04/1960	U.K.	A 01 N		N/A		
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**DATE CONSIDERED** 

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**EXAMINER** 

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<sup>\*</sup>Examiner: Initial if citations considered, whether or not citation is in conformation with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.